



Sample
10/64

6U5

ELECTRON-RAY TUBE

INDICATOR TYPE WITH REMOTE-CUTOFF TRIODE UNIT

GENERAL DATA

Electrical:

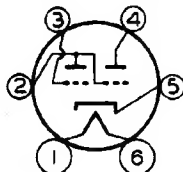
Heater, for Unipotential Cathode:

Voltage 6.3 ac or dc volts
Current 0.3 amp

Mechanical:

Mounting Position Any
Maximum Overall Length 4-3/16"
Seated Length 3-3/8 ± 3/16"
Maximum Diameter 1-3/16"
Bulb T-9
Base Small-Shell Small 6-Pin (JETEC No. A6-7)
Basing Designation for BOTTOM VIEW 6R

Pin 1-Heater
Pin 2-Triode Plate,
Ray-Control
Electrode



Pin 3-Triode Grid
Pin 4-Target
Pin 5-Cathode
Pin 6-Heater

INDICATOR SERVICE

Maximum Ratings, Design-Center Values:

TRIODE-PLATE SUPPLY VOLTAGE 285 max. volts
TARGET VOLTAGE { 285 max. volts
125 min. volts ←
TRIODE-PLATE DISSIPATION 1.0 max. watt
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode . . . 90 max. volts
Heater positive with respect to cathode . . . 90 max. volts

Typical Operation:

Plate Supply and Target Voltage . . . 200 250 volts
Series Triode-Plate Resistor . . . 1 1 megohm
Target Current†
for zero grid voltage 3 4 ma
Triode-Plate Current
for zero grid voltage 0.19 0.24 ma
Triode-Grid Voltage (Approx.):
For 0° shadow angle -18.5 -22 volts
For 90° shadow angle 0 0 volts

† Subject to wide variations.

Refer to Type 6E5 for a discussion of the operation
of the tube and also for the fundamental circuit.

← Indicates a change.

AUG. 16, 1954

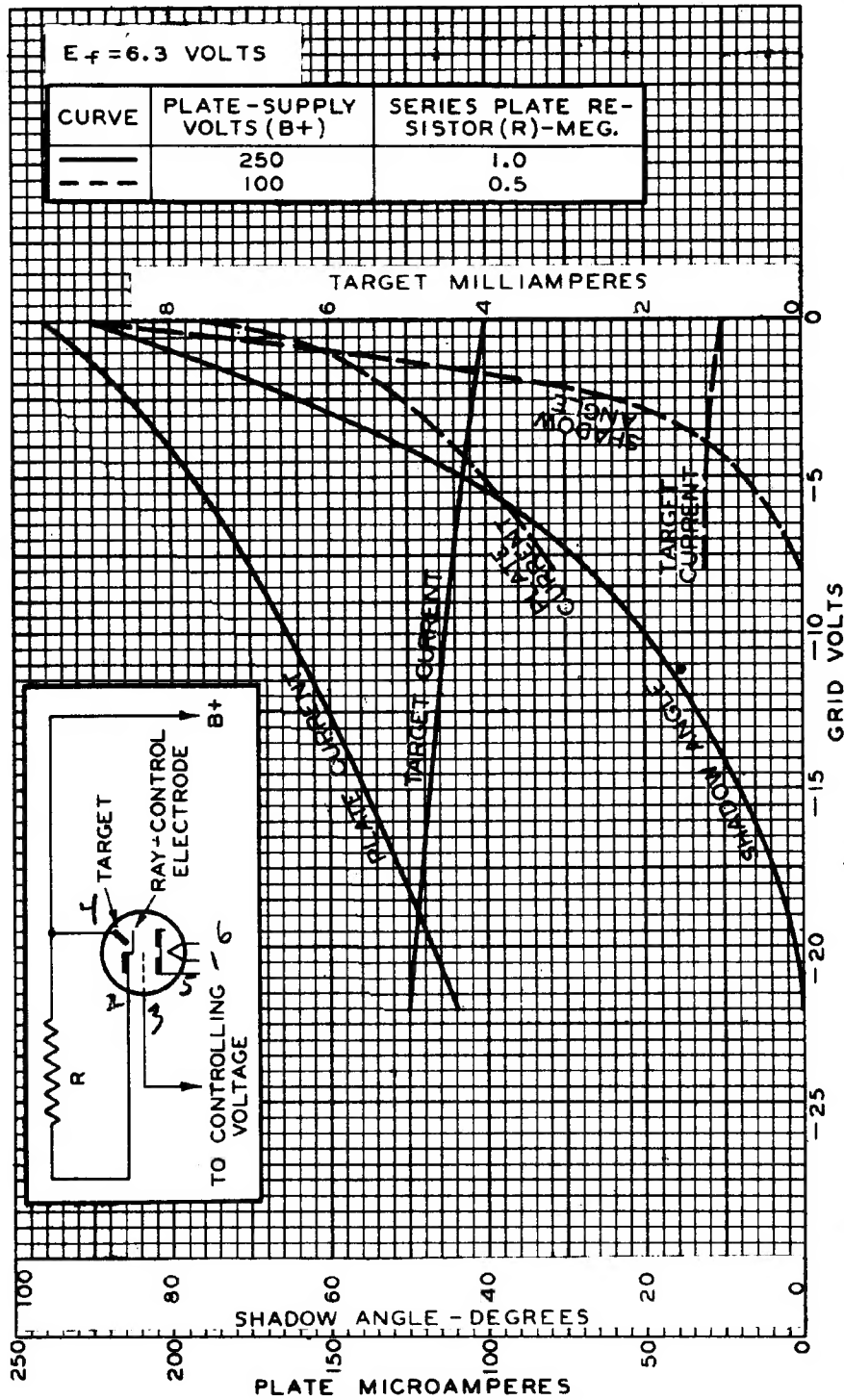
TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

6U5


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AVERAGE CONTROL CHARACTERISTICS



AUG. 9, 1954

 TUBE DIVISION
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92CM-4626R3